



UNITED STATES PATENT AND TRADEMARK OFFICE

Su
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,610	10/24/2003	Izhak Baharav	10991144-5	8820
7590	02/09/2005		EXAMINER	
HEWLETT-PACKARD COMPANY			HESS, DANIEL A	
Intellectual Property Administration			ART UNIT	PAPER NUMBER
P.O. Box 272400				2876
Fort Collins, CO 80527-2400				

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

***Advisory Action
Before the Filing of an Appeal Brief***

Application No.	Applicant(s)	
10/692,610	BAHARAV ET AL.	
Examiner	Art Unit	
Daniel A Hess	2876	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 14 January 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. The reply was filed after a final rejection, but prior to filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) The period for reply expires 3 months from the mailing date of the final rejection.
 b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
 Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) a set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The reply was filed after the date of filing a Notice of Appeal, but prior to the date of filing an appeal brief. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
 (a) They raise new issues that would require further consideration and/or search (see NOTE below);
 (b) They raise the issue of new matter (see NOTE below);
 (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 (d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
 5. Applicant's reply has overcome the following rejection(s): _____.
 6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
 7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: _____.

Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:

The examiner appreciates applicant's carefully considered remarks but respectfully disagrees.

First regarding claim 15, and claims similar to claim 15 or depending therefrom:

In particular, the examiner disagrees with the applicant's suggestion that Tow "does not divide an input image into KxK matrices." Tow discusses the use of cells such as the 5x5 cell shown in figure 2. The examiner asserts that this cell is effectively a KxK matrix. An image is indeed broken down into such KxK matrices or cells 61 and this happens in the halftone generator 52 shown in figure 1.

Secondly, regarding claim 20 and claims similar to claim 20 or depending therefrom:

The examiner contends firstly that the fact of machine readability (an hence the existence of a decoding process) is conveyed: firstly, the very field of the invention is described as "embedding machine readable digital data" (column 1, lines 5-10) and secondly, the phrase machine readable is referenced throughout, in addition to discussion of scanning input in the process of "recovering this machine readable data" (column 1, lines 55-68).

The examiner observes secondly that although decoding is an inherent rather than an explicit property in Tow, nevertheless the steps described in claim 20 are each necessary to decode the encoded image described in Tow. The first step, "partitioning into a plurality of sub-images" must take place: individual cells must be recognized in order to retrieve the data stored within them. The second step, "comparing each sub-image with a set of L possible barcode matrices [cells]" is also necessary: every cell which is evaluated in the decode process must be determined to be one of the number of possible cell types, each having a different orientation. The third step, "decoding a message based on a match estimation of each sub-image to each one of the

DANIEL STOYR
PRIMARY EXAMINER

DH

